



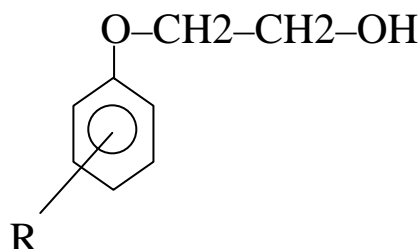
Technical Data Sheet

P - 7021

NON-REACTIVE DILUENT

Paladin **P - 7021** is an unique ether hydroxy compound based on distilled product of alkalated Phenol having aromatic ring & long chain. It is light colour, colour stable & low viscosity non-reactive diluent.

Chemical Structure



Advantages

- Very good compatibility with bis-phenol-A, bis-phenol-F & phenolic epoxies
- Low viscosity
- Excellent flexibility
- Excellent chemical & water resistance
- Useful for low VOC products
- Increased thermal shock resistance
- Maintains electrical properties
- Light & stable colour

Applications

- 1. In high solids epoxy resin systems as non reactive diluent in case of**
 - a) Marine coatings
 - b) Industrial & concrete coatings to reduce **VOC** without affecting the over all performance of epoxy coating systems
 - c) Formulator could develop light & colour stable epoxy coating systems for low VOC / solvent less requirements
- 2. It has excellent end use in modification of**
 - i) Epoxy resins
 - ii) Alkyd resins
 - iii) Urethane resins



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Typical Properties

Sr. No.	Property	Unit	Specification
i)	Appearance	Visual	Clear Pale Yellow Liquid
ii)	Colour	Gardner	6 Max
iii)	Viscosity @25° C	cPs	500 - 700
iv)	NVM (1 HR @105° C)	%	Solvent Free
v)	Hydroxyl Value	mg KOH / g	200 - 215
vi)	Flash Point (Closed Cup)	° C	> 200
vii)	Density @25° C	g / cm ³	0.975 - 0.995
viii)	PHR (Liquid Resin EEWT-190)	--	2 - 20

Storage & Stability

Paladin P - 7021 has storage stability of 1 year. Containers with this chemical should be kept tightly closed to avoid contamination. It is to be stored in cool & dry place.

Handling Precautions

May be harmful if ingested or absorbed through the skin & can cause sensitization. Will cause severe inflammation in contact with eye & skin. Wash thoroughly after handling. Adequate ventilation is essential during application. Containers should be tightly closed when not in use or during transportation. Do not inhale mist or vapours. It is recommended to use gloves, safety glasses & protective clothing for safe handling.

First AID

In case of
Inhalation : Remove to fresh air & give oxygen if breathing is difficult.
Ingestion : Give plenty of water. Do not induce vomiting. Contact a physician.
Contact with eyes : Flush eyes with plenty of clean water for at least 15 minutes.
Contact with skin : Immediately wash with mild soap & water.

Disclaimer

All information contained is based on practical experience. Our technical advice – whether verbal, written by way of trials are given in good faith. Neither warranty nor guarantee is offered or implied & accepted at the seller's risk, since the actual conditions prevailing at the time of using this product are outside the control of the company. Hence it is entirely buyer's & user's responsibility. While the information contained here in is believed to be reliable. **Paladin Paints & Chemicals Pvt. Ltd.** makes no representations as to the results the user or buyer will attain. Product performance & full scale testing are the responsibilities of the buyer & user.

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